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TITLE: DEVICE AND METHOD FOR MONTHLY GPD CALCULATION, RECORDING MEDIUM WHERE PROCESS FOR SAME IS RECORDED, DEVICE AND METHOD FOR ECONOMICAL DIFFUSION INDEX CALCULATION, AND RECORDING MEDIUM WHERE PROCESS FOR SAME IS RECORDED

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ABSTRACT:

PROBLEM TO BE SOLVED: To calculate a monthly **GDP and a economical** diffusion index which can be announced early by providing a bifacial equivalent calculating means which inputs a monthly **GDP** of demand and a monthly **GDP** of supply from a monthly **GDP** storage means and calculates a bifacial equivalent monthly **GDP**.

SOLUTION: A monthly GDP database of a monthly GDP calculation system 10 is constructed on a hard disk to constitute a 'monthly GDP storage means'. This monthly GDP database 14 is stored with various data needed by a monthly GDP calculation computer to calculate a monthly GDP of demand and a monthly GDP of supply. Then the computer 12 inputs a monthly GDP of demand and a monthly GDP of supply from the monthly GDP database 14 and calculates a bifacial equivalent monthly GDP from the monthly GDP of demand and the monthly GDP of

supply. Consequently, the bifacial equivalent monthly **GDP** which is a monthly **GDP and a economical** diffusion index can be calculated.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[Field of the Invention] Especially this invention relates to the monthly GDP (gross domestic product: gross domestic product) calculation technique by the second page equivalence technique of a need side and a supply side, and the assessment-of-the-economy characteristic calculation technique which computes the assessment-of-the-economy characteristic suitable for a business cycle trace about the monthly GDP calculation technique and the assessment-of-the-economy characteristic calculation technique.
[0002]
[Description of the Prior Art] It is said that the "national income account of national economic accounting" (henceforth GDP statistics of the Economic Planning Agency) of the Economic Planning Agency has caught the economic activity most broadly correctly. However, that official announcement speed of GDP statistics of this Economic Planning Agency is as slow as the two-month and half back. Namely, GDP statistics of the Economic Planning Agency is computed for every quarter in January - March, April - June, July - September, and October - December. And the GDP statistics in April - June is announced in mid-September after two months and the half, for example. Thus, since the announcement stage of GDP statistics of the Economic Planning Agency is late, it is in the situation which can perform substantially neither suitable assessment of the economy nor policy argument using this.
[0003] Moreover, GDP statistics of the Economic Planning Agency is the statistics estimated based on primary statistics (processing), and the approach of being different by the annual report and Quarterly Bulletin is used for the estimate. However, although the outline of the approach of this estimate is exhibited, a detail and the concrete estimate approach are not released, but cannot but guess that outline using the books which the Economic Planning Agency publishes, or the books which the Economic Planning Agency retired employee publishes. For this reason, it is the situation which cannot be criticized or argued about the precision of GDP statistics of the Economic Planning Agency from the private sector.
[0004] Furthermore, the part without business linkage nature is contained in GDP statistics of the Economic Planning Agency. The part without this business linkage nature hits twenty percent of the whole. For this reason, the disagreement has occurred between GDP statistics of the Economic Planning Agency, and national business feelings.
[0005]
[Problem(s) to be Solved by the Invention] There are the following problems in GDP statistics of the Economic Planning Agency so that clearly from the place mentioned above.
[0006] First, GDP statistics of the Economic Planning Agency has [1st] the problem that the room of news-flash-izing is also small, by quarter statistics slow [official announcement]. By GDP statistics of the Economic Planning Agency, there is [2nd] a problem that fluctuation of the past business cycle cannot be caught completely.

[0007] Only the estimate of only a need side is performed in GDP statistics of the Economic Planning Agency, but there is [3rd] a problem that the primary statistics used for an estimate does not have the approach of correcting it even when statistics precision has fallen by change of economic structure etc. For example, although the consumer price index is used as main statistics as deflator of final private spending in the primary statistics in GDP statistics of the Economic Planning Agency, change of consuming structure, such as improvement in continuous descent of the prices of the consumer goods after the 90s and consumer-goods quality (personal computer etc.) and modification (modification to a discount store from a department store) of the purchase place business condition of a household economy, is not reflected with the consumer price index.
[0008] Since there are many parts neither the estimate approach of GDP statistics of the Economic Planning Agency nor whose master data are [4th] clear, there is a problem that a new assessment-of-the-economy index without national business feelings and deviation is required.
[0009] This invention is made in view of said technical problem, and aims at offering the technique of computing monthly [releasable at an early stage / GDP] and an assessment-of-the-economy characteristic. Moreover, it aims at offering the technique of computing monthly [with few national economical feelings and disagreements / GDP], and an assessment-of-the-economy characteristic.
[0010]
[Means for Solving the Problem] In order to solve the above-mentioned technical problem, the monthly GDP calculation equipment concerning this invention Required data are incorporated from a monthly statistics storage means by which various kinds of statistical datas were memorized. Required data are incorporated from a need side calculation means to compute monthly [of a need side / GDP] and to store in a monthly GDP storage means, and said monthly statistics storage means. Compute monthly [of a supply side / GDP] and it incorporates monthly [of said need side / GDP], and monthly [of said supply side / GDP] from a supply side calculation means to store in said monthly GDP storage means, and said monthly GDP storage means. It is characterized by having a second page equivalence calculation means to compute monthly [of second page equivalence / GDP] from monthly [of these need side / GDP], and monthly [of a supply side / GDP].
[0011] Said need side calculation means classifies a home demand into two or more business condition, and integrates the real frame of that need according to the business condition of these plurality, and you may make it store the real frame of this integrated need in said monthly GDP storage means as monthly [of said need side / GDP].
[0012] Said supply side calculation means classifies domestic supply into two or more business condition, asks for that amount of supply according to the business condition of these plurality as a characteristic to predetermined criteria, after multiplying the predetermined wait defined according to said two or more business condition, it integrates it, and you may make it store this integrated characteristic in said monthly GDP storage means as monthly [of said supply side / GDP].
[0013] Said second page equivalence calculation means incorporates said real frame in which monthly [of said need side / GDP] is shown from said monthly GDP storage means. While computing the elongation percentage to the predetermined criteria of this real frame, said characteristic which shows monthly [of said supply side / GDP] from said monthly GDP storage means is incorporated. You may make it compute monthly [of second page equivalence / GDP] by computing the elongation percentage to the predetermined criteria of this characteristic, and adding these two elongation percentages at a predetermined rate.
[0014] The monthly GDP calculation approach concerning this invention incorporates required data from a monthly statistics storage means by which various kinds of statistical datas were memorized. Required data are incorporated from the need side calculation process which computes monthly [of a need side / GDP] and is stored in a monthly GDP storage means, and said monthly statistics storage means. Compute monthly [of a supply side / GDP] and it incorporates monthly [of said need side / GDP], and monthly [of said supply side / GDP] from the supply side calculation process stored in said monthly GDP storage means, and said monthly GDP storage means. It is characterized by having the second page equivalence calculation process which computes monthly [of second page equivalence /

GDP] from monthly [of these need side / GDP], and monthly [of a supply side / GDP].

[0015] The record medium which recorded the program for making a computer perform the monthly GDP calculation technique concerning this invention and in which computer reading is possible Required data are incorporated from a monthly statistics storage means by which various kinds of statistical datas were memorized. Required data are incorporated from the need side calculation step which computes monthly [of a need side / GDP] and is stored in a monthly GDP storage means, and said monthly statistics storage means. Compute monthly [of a supply side / GDP] and it incorporates monthly [of said need side / GDP], and monthly [of said supply side / GDP] from the supply side calculation step stored in said monthly GDP storage means, and said monthly GDP storage means. It is characterized by having the second page equivalence calculation step which computes monthly [of second page equivalence / GDP] from monthly [of these need side / GDP], and monthly [of a supply side / GDP].

[0016] The assessment-of-the-economy characteristic calculation equipment concerning this invention incorporates required data from a monthly statistics storage means by which various kinds of statistical datas were memorized. Required data are incorporated from a construction industry calculation means to compute the monthly amount of supply supplied to the construction industry as a characteristic which shows the elongation percentage from predetermined criteria, and to store it in a characteristic storage means, and said monthly statistics storage means. Required data are incorporated from a manufacture calculation means to compute the monthly amount of supply supplied to the manufacture as a characteristic which shows the elongation percentage from predetermined criteria, and to store it in said characteristic storage means, and said monthly statistics storage means. A tertiary industry calculation means to compute the monthly amount of supply supplied to tertiary industry as a characteristic which shows the elongation percentage from predetermined criteria, and to store it in said characteristic storage means, The wait which incorporated said characteristic about said construction industry from said characteristic storage means, and was defined about said construction industry is multiplied. The wait which incorporated said characteristic about said manufacture from said characteristic storage means, and was defined about said manufacture is multiplied. It is characterized by having a characteristic addition means to compute an assessment-of-the-economy characteristic by multiplying the wait which incorporated said characteristic about said tertiary industry from said characteristic storage means, and was defined about said tertiary industry, and integrating the characteristic of these three ************.

[0017] The assessment-of-the-economy characteristic calculation approach concerning this invention incorporates required data from a monthly statistics storage means by which various kinds of statistical datas were memorized. Required data are incorporated from the construction industry calculation process of computing the monthly amount of supply supplied to the construction industry as a characteristic which shows the elongation percentage from predetermined criteria, and storing it in a characteristic storage means, and said monthly statistics storage means. Required data are incorporated from the manufacture calculation process of computing the monthly amount of supply supplied to the manufacture as a characteristic which shows the elongation percentage from predetermined criteria, and storing it in said characteristic storage means, and said monthly statistics storage means. The tertiary industry calculation process of computing the monthly amount of supply supplied to tertiary industry as a characteristic which shows the elongation percentage from predetermined criteria, and storing it in said characteristic storage means, The wait which incorporated said characteristic about said construction industry from said characteristic storage means, and was defined about said construction industry is multiplied. The wait which incorporated said characteristic about said manufacture from said characteristic storage means, and was defined about said manufacture is multiplied. It is characterized by having the characteristic addition process which computes an assessment-of-the-economy characteristic by multiplying the wait which incorporated said characteristic about said tertiary industry from said characteristic storage means, and was defined about said tertiary industry, and integrating the characteristic of these three ************.

[0018] The record medium which recorded the program for making a computer perform the assessment-of-the-economy characteristic calculation technique concerning this invention and in which computer reading is possible Required data are incorporated from a monthly statistics storage means by which various kinds of statistical datas were memorized. Required data are incorporated from the construction industry calculation step which computes the monthly amount of supply supplied to the construction industry as a characteristic which shows the elongation percentage from predetermined criteria, and stores it in a characteristic storage means, and said monthly statistics storage means. Required data are incorporated from the manufacture calculation step which computes the monthly amount of supply supplied to the manufacture as a characteristic which shows the elongation percentage from predetermined criteria, and stores it in said characteristic storage means, and said monthly statistics storage means. The tertiary industry calculation step which computes the monthly amount of supply supplied to tertiary industry as a characteristic which shows the elongation percentage from predetermined criteria, and stores it in said characteristic storage means, The wait which incorporated said characteristic about said construction industry from said characteristic storage means, and was defined about said construction industry is multiplied. The wait which incorporated said characteristic about said manufacture from said characteristic storage means, and was defined about said manufacture is multiplied. It is characterized by having the characteristic addition step which computes an assessment-of-the-economy characteristic by multiplying the wait which incorporated said characteristic about said tertiary industry from said characteristic storage means, and was defined about said tertiary industry, and integrating the characteristic of these three ************.

[0019]

[Embodiment of the Invention] Based on international accounting standards called SNA (a System of National Accounts), to calculate GDP statistics from a need side, a supply side, and an income side, respectively, and these three count results are in agreement, respectively. However, in Quarter GDP, only the need side is estimated and released from the constraint of statistics used for an estimate in fact. Moreover, although it will stand to dominance by news flash nature if it is going to compute GDP statistics every month (i.e., if it is going to compute monthly [GDP]), security of the accuracy becomes difficult. Furthermore, in GDP statistics of the present Economic Planning Agency, the fault which cannot be pursued correctly also has cyclic fluctuation of business.

[0020] Then, in addition to the estimate approach of the quarter GDP released, by this invention, the technique of estimating GDP by monthly was established, two were unified with the special technique, and precision was newly secured from the second page, a need side and a supply side. Here, GDP of a need side is called GDP of an expenditure side to an SNA top forward type, and GDP of a supply side is called GDP of a production side to an SNA top forward type.

[0021] Moreover, the new assessment-of-the-economy characteristic for a business cycle trace which extracted the business cycle element so that cyclic fluctuation of business could also be pursued was developed using the GDP statistics concept. ****** is explained more below.

[0022] First, based on drawing 1 , the hardware configuration of the assessment-of-the-economy characteristic calculation system concerning this operation gestalt is explained. Drawing 1 is drawing showing the hardware configuration of the assessment-of-the-economy characteristic calculation calculation system concerning this operation gestalt.

[0023] As shown in this drawing 1 , an assessment-of-the-economy characteristic calculation system is equipped with the monthly GDP calculation system 10 and the monthly economic-statistics estimate system 20, and is constituted. These monthly GDP calculation system 10 and the monthly economic-statistics estimate system 20 are mutually connected through the network 30.

[0024] The monthly GDP calculation system 10 is equipped with the monthly GDP calculation computer 12, the monthly GDP database 14, a printer 16, and a display 18, and is constituted. The monthly GDP database 14, the printer 16, and the display 18 are connected to the monthly GDP calculation computer 12. Monthly [GDP] and the new assessment-of-the-economy characteristic for a business cycle trace which were computed by monthly GDP calculation computer 12, and many data required in order to compute these are stored in the monthly GDP database 14. It prints by the printer 16 or monthly [GDP], a new assessment-of-the-economy characteristic for a business cycle trace, etc. which were computed by monthly GDP calculation computer 12 can be displayed on a display 18.

[0025] The monthly GDP database 14 consists of a hard disk, and this constitutes the "monthly GDP storage means" in this operation gestalt. However, this "monthly GDP storage means" can also be realized by RAM (Random Access memory) which was not restricted to a hard disk but was prepared in the monthly GDP calculation computer 12.

[0026] The monthly economic-statistics estimate system 20 is equipped with the monthly economic-statistics estimate computer 22, the official announcement monthly statistics database 24, a printer 26, and a display 28, and is constituted. The official announcement monthly statistics database 24, the printer 26, and the display 28 are connected to the monthly economic-statistics estimate computer 22. The monthly economic-statistics estimate computer 22 creates the official announcement monthly statistics database 24, after checking deflections, such as an irregular factor of the monthly statistics announced every day, and measuring whenever [effect] by time series model analysis. Thus, the released monthly statistical data required to compute monthly [of a need side which is mentioned later / GDP], or compute monthly [of a supply side / GDP] is accumulated in the official announcement monthly statistics database 24. It prints by the printer 26 or the monthly statistical data stored in the official announcement monthly statistics database 24 can be displayed on a display 28.

[0027] The official announcement monthly statistics database 24 consists of a hard disk, and this constitutes the "monthly statistics storage means" in this operation gestalt. However, this "monthly statistics storage means" can also be realized by RAM (Random Access memory) which was not restricted to a hard disk but was prepared in the monthly economic-statistics estimate computer 22.

[0028] Next, based on drawing 2 thru/or drawing 5 , the processing for the monthly GDP calculation concerning this operation gestalt is explained roughly. Drawing 2 is a flow chart which shows the Maine processing of a computing-monthly [concerning this operation gestalt / GDP] sake. Drawing 3 is a flow chart which shows the processing for computing monthly [of a need side / GDP]. Drawing 4 is a flow chart which shows the processing for computing monthly [of a supply side / GDP]. Drawing 5 is a flow chart which shows the processing for computing monthly [of second page equivalence / GDP] using monthly [of a need side / GDP], and monthly [of a supply side / GDP].

[0029] First, based on drawing 2 , the rough flow of the monthly GDP calculation in this operation gestalt is explained. As shown in this drawing 2 , in the assessment-of-the-economy characteristic calculation processing in this operation gestalt, it computes monthly [of a need side / GDP] first (step S10). Although mentioned later in detail, with this operation gestalt, it computes monthly [of a need side / GDP] from the real private consumption amount disbursed, a real private-housing-investment frame, a real private-sector-capital-investment frame, the amount of a real private sector inventory, a real final-government-spending frame, a real Government-fixed-capital-formation frame, the amount of a real public inventory, the amount of real export, and real imports. That is, the frame of a home demand is classified and integrated to the business condition of these plurality.

[0030] Then, it computes monthly [of a supply side / GDP] (step S11). Although mentioned later in detail, with this operation gestalt, it computes monthly [of a supply side / GDP] from a monthly real construction industry characteristic, a monthly real manufacture characteristic, a monthly real tertiary industry characteristic, a monthly real government serviceability index, and a monthly real legal fiction count characteristic. That is, the frame of domestic supply is classified into the business condition of these plurality, and is integrated as a characteristic. With this operation gestalt, these are characteristics which set 1990 to 100. Therefore, it computes monthly [of a supply side / GDP] as a characteristic which added these characteristics at a predetermined rate.

[0031] Next, it computes monthly [of second page equivalence / GDP] from monthly [which were computed / monthly / of a need side / GDP / and monthly / GDP / of a supply side] (step S12). Although mentioned later in detail, with this operation gestalt, it computes monthly [GDP] by adding monthly [of a need side / GDP], and monthly [of a supply side / GDP] at a predetermined rate. Thereby, monthly [of the second page equivalence which is an assessment-of-the-economy characteristic concerning this operation gestalt / GDP] is computed.

[0032] Next, the processing for computing monthly [of the need side in step S10 mentioned above / GDP] based on drawing 3 is explained in detail. As shown in this drawing 3 , the monthly real private consumption amount disbursed is computed first (step S20). This real private consumption amount disbursed is also called a real final-private-spending frame. Then, a monthly real private-housing-investment frame is computed (step S21). Then, a monthly real private-sector-capital-investment frame is computed (step S22). This real private-sector-capital-investment frame is also called a real private-plant-and-equipment-investment frame. Then, the monthly amount of a real private sector inventory is computed (step S23). This amount of a real private sector inventory is also called a real private-inventory-increases frame. These real private consumption amount disbursed, a real private-housing-investment frame, a real private-sector-capital-investment frame, and the amount of a real private sector inventory turn into a real private sector ultimate-demand frame.

[0033] Next, a monthly real final-government-spending frame is computed (step S24). Then, a monthly real Government-fixed-capital-formation frame is computed (step S25). Then, the monthly amount of a real public inventory is computed (step S26). This amount of a real public inventory is also called a real increase-in-public-inventory frame. These real final-government-spending frame, a real Government-fixed-capital-formation frame, and the amount of a real public inventory turn into a real public ultimate-demand frame.

[0034] Then, the amount of real export of monthly goods and services is computed (step S27). Then, the real imports of monthly goods and services are computed (step S28). The frame which deducted real imports from this amount of real export turns into a real overseas need frame.

[0035] Next, based on the these-computed real frame, it computes monthly [of a need side / GDP] (step S29). That is, it computes monthly [of a need side / GDP] by asking for total with the real private consumption amount disbursed, a real private-housing-investment frame, a real private-sector-capital-investment frame, the amount of a real private sector inventory, a real final-government-spending frame, a real Government-fixed-capital-formation frame, the amount of a real public inventory, and the amount of real export, and deducting real imports. Thereby, it can be found and processing of step S10 in drawing 2 ends monthly [of a need side / GDP].

[0036] Next, the processing for computing monthly [of the supply side in step S11 mentioned above / GDP] based on drawing 4 is explained in detail. As shown in this drawing 4 , a monthly real construction industry characteristic is computed first (step S40). Then, a monthly real manufacture characteristic is computed (step S41). Then, a monthly real tertiary industry characteristic is computed (step S42). Then, a monthly real government serviceability index is computed (step S43). Then, a monthly real legal fiction count characteristic is computed (step S44).

[0037] Next, it computes monthly [of a supply side / GDP] by adding the these-computed characteristic at a predetermined rate (step S45). It divides proportionally with this operation gestalt, using the value of each characteristic in 1990 as a wait. With this operation gestalt, the wait of a real construction industry characteristic becomes 8.25%, the wait of a real manufacture characteristic becomes 22.81%, the wait of a real tertiary industry characteristic becomes 53.65%, the wait of a real government serviceability index becomes 8.35%, and, as for a concrete target, the wait of a real legal fiction count characteristic becomes 6.94%. After hanging these waits on each characteristic, it computes monthly [of a supply side / GDP] by adding them. Thereby, it can be found and processing of step S11 in drawing 2 ends monthly [of a supply side / GDP].

[0038] Next, the processing for computing GDP of the second page equivalence in step S12 mentioned above based on drawing 5 is explained in detail. As shown in this drawing 5, an elongation percentage is first computed from the total amount of a need side monthly [GDP] (step S50). With this operation gestalt, monthly [of the need side of the moon / GDP] computes which was extended compared with monthly [of a need side the previous month / GDP].

[0039] Next, an elongation percentage is computed from the characteristic of a supply side monthly [GDP] (step S51). With this operation gestalt, monthly [of the supply side of the moon / GDP] computes which was extended compared with monthly [of a supply side the previous month / GDP].

[0040] Next, it computes monthly [of second page equivalence / GDP] by adding the monthly GDP growth rate of a need side and the monthly GDP growth rate of a supply side which were computed at a predetermined rate (step S52). With this operation gestalt, it computes monthly [of second page

equivalence / GDP] by multiplying 0.618 by the monthly GDP growth rate of a need side, multiplying 0.382 by the monthly GDP growth rate of a supply side, and taking these sums. Thereby, it can be found and processing of step S12 in drawing 2 ends monthly [of second page equivalence / GDP].
[0041] Although the above is explanation of the processing which computes monthly [concerning this operation gestalt / GDP] next, the processing for computing the new assessment-of-the-economy characteristic for a business cycle trace concerning this operation gestalt based on drawing 6 is explained. As shown in this drawing 6 , a monthly real construction industry characteristic is computed first (step S60). Then, a monthly real manufacture characteristic is computed (step S61). Then, a monthly real tertiary industry characteristic is computed (step S62).
[0042] Next, an assessment-of-the-economy characteristic is computed by adding the these-computed characteristic at a predetermined rate (step S63). It divides proportionally with this operation gestalt, using the value of each characteristic in 1990 as a wait. With this operation gestalt, the wait of a real construction industry characteristic becomes 9.74%, the wait of a real manufacture characteristic becomes 26.93%, and, as for a concrete target, the wait of a real tertiary industry characteristic becomes 63.33%. After hanging these waits on each characteristic, the economical feelings of the people concerning this operation gestalt and the economical decision characteristic which does not deviate are computed by adding them.
[0043] Next, based on drawing 7 , the contents of real frame calculation processing of step S20 in drawing 3 - step S28 and the contents of characteristic calculation processing of step S40 in drawing 4 - step S45 are explained. This drawing 7 is a flow chart explaining the processing concept common to calculation processing of each item of ** and others.
[0044] As shown in drawing 7 , the monthly GDP count computer 12 acquires an official announcement monthly statistical data required for calculation of each item from the official announcement monthly statistics database 24 first (step S100). As mentioned above, this official announcement monthly statistics database 24 is generated by the monthly economic-statistics estimate system 20. The monthly economic-statistics estimate system 24 creates the official announcement monthly database 24, after checking deflections, such as an irregular factor of the monthly statistics announced every day, and measuring whenever [effect] by time series model analysis. This is for lessening the error of decision by using official announcement statistics as it is.
[0045] Then, the monthly GDP calculation computer 12 performs conceptual adjustment of this acquired official announcement monthly statistical data (step S101). That is, GDP which is processing statistics needs to perform adjustment to the concept which defined the official announcement monthly statistical data by GDP. Although what kind of conceptual adjustment is carried out concretely changes with each items, adjust to the concept of the national-economic-accounting base, construction and machine investment are adjusted to percentage of completion basis, or the progression in quality, such as a semi-conductor, adjusts a large product, for example. If the case where a construction investment is adjusted to percentage of completion basis is explained to an example, the relation between the order base of each past and the percentage-of-completion-basis base will be investigated according to construction gestalten, such as wooden and ******, and a progress pattern will be estimated.
[0046] Next, the monthly GDP calculation computer 12 computes monthly [of a original sequence / GDP] by adjusting the monthly statistical data and official announcement GDP statistics which carried out conceptual adjustment (step S102). Specifically, it computes rough monthly [GDP] by accumulating monthly statistics. For example, it computes rough monthly [of the term ended January - March / GDP] by adding the monthly statistics in January, the monthly statistics in February, and the monthly statistics in March. Next, a monthly wait is computed. For example, it asks for the monthly wait in January by monthly statistics/in January (monthly statistics in monthly statistics March [+] in monthly statistics February [+] in January). Then, it computes monthly [GDP] by hanging this monthly wait on GDP statistics of the quarter of an announcement of the Economic Planning Agency. For example, it computes monthly [in January / GDP] by x (GDP statistics of an announcement of the Economic Planning Agency of the term ended January - March) (monthly wait in January). In addition, about the stage before the Economic Planning Agency announces GDP statistics of a quarter, it is

possible to perform the following processings using rough monthly [GDP]. And what is necessary is just to recalculate again, when the Economic Planning Agency announces GDP statistics of a quarter.
[0047] Next, the monthly GDP calculation computer 12 parenchyma-izes monthly [of a original sequence / GDP] (step S103). It computes monthly [which was parenchyma-ized / GDP] by specifically hanging the deflator for removing the effect by the price fluctuation on monthly [of a original sequence / GDP].
[0048] Next, the monthly GDP calculation computer 12 computes monthly [of a seasonal adjustment / GDP] by performing seasonal adjustment to monthly [which was parenchyma-ized / GDP] (step S104). That is, seasonal adjustment is performed by the seasonal preparation which the Economic Planning Agency is using for monthly [which was parenchyma-ized / GDP]. A monthly seasonal-adjustment wait is computed concrete first. For example, the monthly adjustment wait in January is computed by seasonally adjusted figure GDP/in January (seasonal adjustment GDP in seasonally adjusted figure GDP+ March in seasonally adjusted figure GDP+ February in January). Then, it computes monthly [of a seasonally adjusted figure / GDP] by hanging this monthly seasonal-adjustment wait on GDP of the quarter of an announcement of the Economic Planning Agency. For example, it computes monthly [in January / of a seasonal adjustment / GDP] by x (monthly [of an announcement of the Economic Planning Agency of the term ended January - March / GDP]) (seasonal-adjustment wait in January).
[0049] At present, although this seasonal preparation is the technique of a census method 11, it is not necessary to restrict it to this. Moreover, on the relation which is the technique monthly [GDP] predicts based on GDP statistics of the Economic Planning Agency, when the Economic Planning Agency changes the seasonal preparation, you may follow in footsteps and change into it.
[0050] Each item is computed by performing the above processing about real frame calculation processing of step S20 in drawing 3 - step S28, and characteristic calculation processing of step S40 in drawing 4 - step S45.
[0051] Next, based on drawing 8 thru/or drawing 15 , real frame calculation processing of step S20 in drawing 3 - step S28 is explained to concrete and a detail.
[0052] Drawing 8 is a flow explaining the contents of processing which compute the real private consumption amount disbursed of step S20. Drawing 9 is a flow explaining the contents of processing which compute the real private-housing-investment frame of step S21. Drawing 10 is a flow explaining the contents of processing which compute the real private-sector-capital-investment frame of step S22. Drawing 11 is a flow explaining the contents of processing which compute the amount of a real private sector inventory of step S23. Drawing 12 is a flow explaining the contents of processing which compute the real final-government-spending frame of step S24. Drawing 13 is a flow explaining the contents of processing which compute the real Government-fixed-capital-formation frame of step S25. Drawing 14 is a flow explaining the contents of processing which compute the amount of a real public inventory of step S26, and drawing 15 is a flow explaining the contents of processing which compute the amount of real export of step S27, and the real imports of step S28. These drawing 8 thru/or the contents of processing of drawing 15 apply concretely the processing flow shown in drawing 7 for every item.
[0053] First, based on drawing 8 , the contents of processing which compute the real private consumption amount disbursed of step S20 in drawing 3 are explained.
[0054] As shown in this drawing 8 , the monthly GDP calculation computer 12 acquires "family-income-and-expenditure-survey consumer spending" from the official announcement monthly statistics database 24 (refer to drawing 1) of the monthly economic-statistics estimate system 20.
[0055] The concept of the consumer spending specified according to GDP statistics of the Economic Planning Agency is supposed that the goods and service which is not actually dealt with in a commercial scene are included. On the other hand, it is supposed that transfer consumption, such as the amount of donation and allowance gold, is not included in consumption. Then, by the donation gold which is not contained in the consumption concept of GDP, allowance gold, and family income and expenditure survey, the automobile expenditure and house-rent-and-land-rent expenditure which cannot be grasped correctly are deducted from the "family-income-and-expenditure-survey consumer spending" used as the

Maine item which estimates private consumption (step S110). Moreover, investigation household-members adjustment is performed, and it asks for per capita consumer spending, and converts into the total population consumption (step S111). This asks for "correction widow meter investigation consumer spending."

[0056] It is necessary to also take into consideration the progression in quality of consumption items with the concept of a real value (when a high order model can be purchased more at the same price etc.). For this reason, automobile expenditure of the nature adjustment base is added (step S112). Moreover, the house rent (attributed rent of house) of the own house which is not dealt with in a commercial scene etc. is added (step S113). Furthermore, a part for direct purchase of the overseas of a housing person household economy is also added (step S114). It asks for "the nominal consumer spending after SNA reference modified" by adjusting with official announcement GDP statistics of the Economic Planning Agency's announcement of this.

[0057] Next, private consumption deflator is estimated from the consumer price index etc. (step S115), and it asks for "the real-term consumer spending after SNA reference modified" using this estimated private consumption deflator. Then, it asks for monthly "real private consumption amount disbursed" after (step S116) and seasonal adjustment by performing seasonal adjustment by the same approach as the GDP statistics method of the Economic Planning Agency. The monthly GDP calculation computer 12 stores this computed monthly "real private consumption amount disbursed" in the monthly GDP database 14.

[0058] Next, based on drawing 9 , the contents of processing which compute the real private-housing-investment frame of step S21 in drawing 3 are explained.

[0059] As shown in this drawing 9 , the monthly GDP calculation computer 12 acquires "building-starts statistics and the amount of a construction cost schedule" from the official announcement monthly statistics database 24 (refer to drawing 1) of the monthly economic-statistics estimate system 20.

[0060] The housing investment of GDP cannot use many monthly statistics announced as they are because of percentage of completion basis. Monthly statistics is order-received statistics and the period to a completion changes with the construction gestalten after an order received. Then, if it is construction, the relation between ****** 1 SU of each past and ************** 1 SU will be investigated according to construction gestalten, such as wooden and a steel structure, and a progress pattern will be estimated (step S120). This asks for "the amount after correction of a construction cost schedule (for dwellings)."

[0061] Next, a public-subsidized-housing construction (equivalent to Government fixed capital formation) part is deducted from this "the amount after correction of a construction cost schedule (for dwellings)" (step S121). It asks for "the nominal housing investment after SNA reference modified" by adjusting with official announcement GDP statistics of the Economic Planning Agency's announcement of this.

[0062] Next, housing investment deflator is estimated from construction work deflator (step S122). It asks for "the real housing investment after SNA reference modified" using this estimated housing investment deflator. Then, it asks for (step S123) and monthly "real private-housing-investment frame" after seasonal adjustment by performing seasonal adjustment by the same approach as the GDP statistics method of the Economic Planning Agency. The monthly GDP calculation computer 12 stores this computed monthly "real private-housing-investment frame" in the monthly GDP database 14.

[0063] Next, based on drawing 10 , the contents of processing which compute the real private-sector-capital-investment frame of step S22 in drawing 3 are explained.

[0064] As shown in this drawing 10 , the monthly GDP calculation computer 12 acquires "an construction work order received (private sector meter)" from the capital-goods shipment index of Survey of Orders Received for Machinery stored in the official announcement monthly statistics database 24 (refer to drawing 1) of the monthly economic-statistics estimate system 20.

[0065] Private sector capital investment is estimated using each statistics after classifying according to an economic unit (an individual, a corporation, a financial institution, private nonprofit organization) (step S130). However, in this operation gestalt, only a part for a corporation company is used in the estimate by monthly statistics. Moreover, by constraint of statistics, since there is only a thing of ********** SU, the investment of private nonprofit organizations, such as a financial institution, an individual, and a hospital, a school, is estimating the motion of the corresponding-period-of-last-year ratio of each statistics to reference.

[0066] moreover, private sector capital investment -- private housing investment -- the same -- GDP statistics -- a percentage of completion basis sake -- a construction investment and each machine investment -- relation with ************** 1 SU is investigated according to a gestalt, a progress pattern is estimated, and it converts according to structure at the percentage-of-completion-basis base (step S131). This asks for the "after [correction] corporation company part amount of capital investment."

[0067] Next, the investment for a financial institution is added to this "after [correction] corporation company part amount of capital investment" (step S132), and the investment for a sole proprietorship is added to it (step S133). It asks for the investment for a financial institution by dividing proportionally the financial institution investment in Business and Investment Survey of Incorporated Enterprises of an announcement of the Economic Planning Agency to monthly. It asks for the investment for a sole proprietorship by dividing proportionally the elongation percentage of the sole proprietorship investment in the unincorporated enterprise survey of an announcement of the Management and Coordination Agency to monthly. And it asks for "nominal plant-and-equipment investment after SNA reference modified" by adjusting with official announcement GDP statistics of the Economic Planning Agency's announcement of this.

[0068] Next, plant-and-equipment investment deflator is estimated from a domestic wholesale price index (step S134). It asks for "real plant-and-equipment investment after SNA reference modified" using this estimated plant-and-equipment investment deflator. Then, it asks for (step S135) and monthly "real private-sector-capital-investment frame" after seasonal adjustment by performing seasonal adjustment by the same approach as the GDP statistics method of the Economic Planning Agency. The monthly GDP calculation computer 12 stores this computed monthly "real private-sector-capital-investment frame" in the monthly GDP database 14.

[0069] Next, based on drawing 11 , the contents of processing which compute the amount of a real private sector inventory of step S23 in drawing 3 are explained.

[0070] As shown in this drawing 11 , the monthly GDP calculation computer 12 acquires "industrial output statistics (inventory index)" and the "number of the amount characteristic stock moons of commercial selling" from the official announcement monthly statistics database 24 (refer to drawing 1) of the monthly economic-statistics estimate system 20.

[0071] A private sector inventory can be classified into three gestalten of a mechanism inventory, a circulation inventory, and a product inventory from the gestalt. However, in official announcement statistics, three gestalten cannot be grasped correctly. With this operation gestalt, a product inventory is estimated using industrial output statistics (inventory index), and a circulation inventory is estimated using the number of the amount characteristic stock moons of commercial selling. Since these monthly statistics is the stock bases, it is converted into these flow ** 1 SU (step S140), and estimates the corresponding-month-of-last-year ratio to reference. This asks for "the inventory investment after correction."

[0072] Next, it asks for "nominal inventory investment after SNA reference modified" by adjusting this "inventory investment after correction" with official announcement GDP statistics of an announcement of the Economic Planning Agency.

[0073] Next, the past private sector inventory deflator is extended to reference, and private sector inventory deflator is estimated for a corresponding-period-of-last-year ratio (step S141). It asks for "real inventory investment after SNA reference modified" using this estimated plant-and-equipment investment deflator. Then, it asks for (step S142) and monthly "real private sector inventory investment" after seasonal adjustment by performing seasonal adjustment by the same approach as the GDP statistics method of the Economic Planning Agency. The monthly GDP calculation computer 12 stores this computed monthly "real private sector inventory investment" in the monthly GDP database 14.

[0074] Next, based on drawing 12 , the contents of processing which compute the real final-government-spending frame of step S24 in drawing 3 are explained.

[0075] As shown in this drawing 12 , the monthly GDP calculation computer 12 acquires a "labor force survey", the "number of official-business employers", "a recommendation of the National Personnel Authority (salary R/C)", "pair private sector income and outgo (general account)", and a "government's economic growth forecast" from the official announcement monthly statistics database 24 (refer to drawing 1) of the monthly economic-statistics estimate system 20.

[0076] Unlike the estimate of other items, the estimate only in monthly statistics is difficult government expenditure. For this reason, a quarterly series is estimated [the "government's economic growth forecast" etc. which is a governmental budget document] for the progress pattern of the past quarter to reference after creating the estimate value of a fiscal year to reference (step S150). This point is the same also in the calculation processing of a real Government-fixed-capital-formation frame and real public inventory calculation processing which are mentioned later. This asks for the "final government spending" of the nominal base in a quarter.

[0077] Next, the monthly statistics near a motion of each item is corrected to a GDP statistics concept, and monthly division is performed based on the motion (monthly weight). That is, a government official's employee compensation and government service expenditure are computed, respectively, and the rate of progress of the monthly base is computed (step S151). Moreover, proportional division of employee compensation and government service is computed with the GDP news flash of the latest term (step S152). It asks for "the nominal government consumer spending after SNA reference modified" by adjusting with official announcement GDP statistics of the Economic Planning Agency's announcement of this.

[0078] Next, the past government consumption deflator is extended to reference, and government consumption deflator is estimated for a corresponding-period-of-last-year ratio (step S153). It asks for "the real government expenditure after SNA reference modified" using this estimated government consumption deflator. Then, it asks for (step S154) and monthly "real final-government-spending frame" after seasonal adjustment by performing seasonal adjustment by the same approach as the GDP statistics method of the Economic Planning Agency. The monthly GDP calculation computer 12 stores this computed monthly "real final-government-spending frame" in the monthly GDP database 14.

[0079] Next, based on drawing 13 , the contents of processing which compute the real Government-fixed-capital-formation frame of step S25 in drawing 3 are explained.

[0080] As shown in this drawing 13 , the monthly GDP calculation computer 12 acquires "construction synthesis statistics (public)", "starts-of-public-works-projects statistics", "public-works contract amount", and a "government's economic growth forecast" from the official announcement monthly statistics database 24 (refer to drawing 1) of the monthly economic-statistics estimate system 20.

[0081] Next, the same processing as step S150 mentioned above is performed (step S160), and it asks for the "Government fixed capital formation" of the nominal base in a quarter. Then, the public-works frame of the progress base is computed according to starts-of-public-works-projects statistics etc. (step S161). Under the present circumstances, the time necessary for completion is assumed to be 3-4 term. And the rate of progress of the monthly base is computed. It asks for "the nominal Government fixed capital formation after SNA reference modified" by adjusting with official announcement GDP statistics of the Economic Planning Agency's announcement of this.

[0082] Next, Government-fixed-capital-formation deflator is estimated from construction expense deflator (step S162). It asks for "the real Government fixed capital formation after SNA reference modified" using this estimated Government-fixed-capital-formation deflator. Then, it asks for (step S163) and monthly "real Government-fixed-capital-formation frame" after seasonal adjustment by performing seasonal adjustment by the same approach as the GDP statistics method of the Economic Planning Agency. The monthly GDP calculation computer 12 stores this computed monthly "real Government-fixed-capital-formation frame" in the monthly GDP database 14.

[0083] Next, based on drawing 14 , the contents of processing which compute the amount of a real public inventory of step S26 in drawing 3 are explained.

[0084] As shown in this drawing 14 , the monthly GDP calculation computer 12 acquires "pair private sector income and outgo (****** meeting)" and a "government's economic growth forecast" from the official announcement monthly statistics database 24 (refer to drawing 1) of the monthly economic-statistics estimate system 20.
[0085] Next, the same processing as step S150 mentioned above is performed (step S170), and it asks for "the amount of a public inventory" of the nominal base in a quarter. Then, the rate of progress of the monthly base is computed from a motion of the corresponding-period-of-last-year ratio of the income and outgo for a private sector (step S171). By adjusting with official announcement GDP statistics of the Economic Planning Agency's announcement of this, "a nominal public inventory after SNA reference modified" is searched for.
[0086] Next, the past public inventory deflator is estimated more for public inventory deflator to extend a corresponding-period-of-last-year ratio to reference (step S172). "A public inventory after SNA reference modified" is searched for using this estimated public inventory deflator. Then, it asks for monthly "amount of a real public inventory" after (step S173) and seasonal adjustment by performing seasonal adjustment by the same approach as the GDP statistics method of the Economic Planning Agency. The monthly GDP calculation computer 12 stores this computed monthly "amount of a real public inventory" in the monthly GDP database 14.
[0087] Next, based on drawing 15 , the contents of processing which compute the amount of real export of step S27 and the real imports of step S28 are explained.
[0088] As shown in this drawing 15 , the monthly GDP calculation computer 12 acquires "foreign trade statistics" and "balance of payments statistics" from the official announcement monthly statistics database 24 (refer to drawing 1) of the monthly economic-statistics estimate system 20.
[0089] About a motion of export and import, since balance of payments statistics itself is one of the systems of GDP statistics, adjustment is completed by rearranging statistics at the national-economic-accounting base (step S180). Although it is the numeric value of only goods when extending, foreign trade statistics are used (step S181). This asks for "international balance of payment after correction (export and import)."
[0090] Next, the adjustment factor which performs adjustment with this "balance of payments statistics after correction (export and import)" and GDP statistics is created, and the numeric value for monthly [every] is created (step S182). This asks for "the nominal export and import after SNA reference modified."
[0091] Next, export-and-import deflator is estimated from export-and-import prices statistics (step S183). It asks for "the real export and import after SNA reference modified" using this estimated export-and-import deflator. In addition, since it is necessary to perform nature adjustment of the goods of export and import in case [this] it parenchyma-izes, nature adjustment is performed by the Ministry of Finance export-and-import price index and the Bank of Japan export and import price index (step S184).

[0092] Then, it asks for (step S185) and monthly "real export-and-import frame" after seasonal adjustment by performing seasonal adjustment by the same approach as the GDP statistics method of the Economic Planning Agency. The monthly GDP calculation computer 12 divides this computed monthly "real export-and-import frame" into "the amount of real export", and "real imports", and stores it in the monthly GDP database 14.
[0093] Next, based on drawing 16 thru/or drawing 20 , characteristic calculation processing of step S40 in drawing 4 - step S44 is explained to concrete and a detail.
[0094] Drawing 16 is a flow explaining the contents of processing which compute the real construction industry characteristic of step S40. Drawing 17 is a flow explaining the contents of processing which compute the real manufacture characteristic of step S41. Drawing 18 is a flow explaining the contents of processing which compute the real tertiary industry characteristic of step S42. Drawing 19 is a flow explaining the contents of processing which compute the real government serviceability index of step S43, and drawing 20 is a flow explaining the contents of processing which compute the real legal fiction count characteristic of step S44.

[0095] First, based on drawing 16 , the contents of processing which compute the real construction industry characteristic of step S40 are explained.
[0096] As shown in this drawing 16 , the monthly GDP calculation computer 12 acquires "construction synthesis statistics (grand total)", "building-starts statistics", "private sector civil work groundbreaking statistics", and "starts-of-public-works-projects statistics" from the official announcement monthly statistics database 24 (refer to drawing 1) of the monthly economic-statistics estimate system 20.
[0097] Next, "building-starts statistics", "starts-of-public-works-projects statistics", etc. are converted into the progress base, and the rate of progress of the monthly base is computed (step S200). Under the present circumstances, the time necessary for completion is assumed to be 3-4 term. This asks for "the construction work frame after correction." Fundamentally, this "construction work frame after correction" becomes equal to the sum total of a built part (drawing 10) of the private-housing-investment frame (drawing 9) of the need side mentioned above, and private sector capital investment, and a Government-fixed-capital-formation frame (drawing 13). Therefore, the estimate approach is the same as these estimate approaches.
[0098] Next, this "construction work frame after correction" is converted into the characteristic which sets 1990 to 100 (step S201). This asks for "the nominal construction industry characteristic after [90 year] reference modified." Then, the deflator of the construction industry is estimated from construction expense deflator (step S202). It asks for "the real construction industry characteristic after [90 year] reference modified" using the deflator of this estimated construction industry.
[0099] Then, it asks for monthly "real construction industry characteristic" after (step S203) and seasonal adjustment by performing seasonal adjustment by the same approach as the GDP statistics method of the Economic Planning Agency. The monthly GDP calculation computer 12 stores this computed monthly "real construction industry characteristic" in the monthly GDP database 14. However, in order to compute the new assessment-of-the-economy characteristic for a business cycle trace, in asking for a "real construction industry characteristic", it performs this seasonal adjustment by X12-ARIMA in which day-of-the-week adjustment etc. is possible.
[0100] Next, based on drawing 17 , the contents of processing which compute the real manufacture characteristic of step S41 are explained.
[0101] As shown in this drawing 16 , the monthly GDP calculation computer 12 acquires a "industrial produce index" and a "domestic wholesale price index" from the official announcement monthly statistics database 24 (refer to drawing 1) of the monthly economic-statistics estimate system 20.
[0102] Although information related products, such as a semi-conductor and a personal computer, are totaled with the frame, a price fall is intense and the progression in quality is not reflected. Then, it parenchyma-izes based on a domestic wholesale price index, and asks for "the industrial produce index after correction."
[0103] Next, this "industrial produce index after correction" is converted into the characteristic which sets 1990 to 100 (step S211), and it asks for "the real manufacture characteristic after [90 year] reference modified." That is, since it is created on the basis of 1995, these "an industrial produce index" and a "domestic wholesale price index" are adjusted so that it may estimate on criteria to present GDP statistics in 1990 in all.
[0104] Then, it asks for monthly "real manufacture characteristic" after (step S212) and seasonal adjustment by performing seasonal adjustment by the same approach as the GDP statistics method of the Economic Planning Agency. The monthly GDP calculation computer 12 stores this computed monthly "real manufacture characteristic" in the monthly GDP database 14. However, in order to compute the new assessment-of-the-economy characteristic for a business cycle trace, in asking for a "real manufacture characteristic", it performs this seasonal adjustment by X12-ARIMA in which day-of-the-week adjustment etc. is possible.
[0105] Next, based on drawing 18 , the contents of processing which compute the real tertiary industry characteristic of step S42 are explained.
[0106] As shown in this drawing 18 , the monthly GDP calculation computer 12 acquires a "tertiary industry activity characteristic", "specific service-industries dynamic statistics", "the amount

characteristic of commercial selling", and "large-scale power usage" from the official announcement monthly statistics database 24 (refer to drawing 1) of the monthly economic-statistics estimate system 20.

[0107] Since "government service" included in a "tertiary industry activity characteristic" is the item added up in legal fiction by the extramarket transaction, it excepts this and reconfigurates a characteristic (step S220). This asks for "the tertiary industry characteristic after correction." However, since the official announcement of a tertiary industry activity characteristic is slow when asking for a "real tertiary industry characteristic", in order to compute the new assessment-of-the-economy characteristic for a business cycle trace, a tertiary industry activity characteristic is estimated with 6 sequence base from early "specific service-industries dynamic statistics" of an official announcement stage (step S221). And it asks for "the tertiary industry characteristic after correction" by parenchymaizing this with the service price index.

[0108] Next, this "tertiary industry characteristic after correction" is converted into the characteristic which sets 1990 to 100 (step S222), and it asks for "the real tertiary industry characteristic after [90 year] reference modified." That is, since it is created on the basis of 1995, these "a tertiary industry activity characteristic" are adjusted so that it may estimate on criteria to present GDP statistics in 1990 in all.

[0109] Then, deflator is estimated from the service price index (step S223). The differential-gear rate of the retail trade is carried out with the consumer price index after consumption unit price adjustment. That is, consumer prices are adjusted based on the purchase unit price of family income and expenditure survey. Furthermore, it asks for monthly "real tertiary industry characteristic" after (step S224) and seasonal adjustment by performing seasonal adjustment by the same approach as the GDP statistics method of the Economic Planning Agency. The monthly GDP calculation computer 12 stores this computed monthly "real tertiary industry characteristic" in the monthly GDP database 14. However, in order to compute the new assessment-of-the-economy characteristic for a business cycle trace, in asking for a "real manufacture characteristic", it performs this seasonal adjustment by X12-ARIMA in which day-of-the-week adjustment etc. is possible.

[0110] In addition, although it explained that this seasonal adjustment was performed by X12-ARIMA in which day-of-the-week adjustment etc. is possible when asking for a "real manufacture characteristic", in order to compute the new assessment-of-the-economy characteristic for a business cycle trace in drawing 16 thru/or drawing 18 mentioned above, this seasonal adjustment is not restricted to X12-ARIMA. If this seasonal adjustment is seasonal preparation in which a certain day-of-the-week adjustment etc. is possible, it is sufficient for it.

[0111] Next, based on drawing 19 , the contents of processing which compute the real government serviceability index of step S43 are explained.

[0112] As shown in this drawing 19 , the processing for computing the real government serviceability index of step S43 in drawing 4 carries out indexation of the final government spending in the processing for computing the real final-government-spending frame of step S24 in drawing 3 mentioned above. For this reason, as shown in drawing 19 , the processing which converts 1990 into the characteristic set to 100 is inserted after step S152 (step S230). The processing of those other than this is the same as that of the place mentioned above.

[0113] Next, based on drawing 20 , the contents of processing which compute the real legal fiction count characteristic of step S44 are explained.

[0114] As shown in this drawing 20 , the monthly GDP calculation computer 12 acquires "building-starts statistics", the "consumer price index", and "payment fund news flash" from the official announcement monthly statistics database 24 (refer to drawing 1) of the monthly economic-statistics estimate system 20.

[0115] In spite of actually not dealing with this legal fiction count part in a commercial scene, in case it compares GDP statistics, it is a count estimate part added from consideration that it is necessary to double a concept etc. As the new assessment-of-the-economy characteristic for a business cycle trace concerning this operation gestalt, this part reaches to twenty percent and supposes in Japan that it excepts and estimates from being determined regardless of fluctuation of business.

[0116] In addition, since the real government serviceability index mentioned above is also applied under the category of a legal fiction count part, that to which the estimate of GDP of a supply side added the legal fiction count part to an assessment-of-the-economy characteristic new [for a business cycle trace] will correspond.

[0117] The legal fiction count parts currently estimated concretely are attributed rent of house and a health care cost transferred to a household economy from social security funds, and are estimating this separately from monthly statistics (step S240). This asks for "the amount after correction of legal fiction count."

[0118] Next, this "amount after correction of legal fiction count" is converted into the characteristic which sets 1990 to 100 (step S241). This asks for a "90-year after [reference modified] nominal legal fiction count characteristic."

[0119] Then, the deflator of the construction industry is estimated from the consumer price index etc. (step S242). Furthermore, it asks for monthly "real legal fiction count characteristic" after (step S243) and seasonal adjustment by performing seasonal adjustment by the same approach as the GDP statistics method of the Economic Planning Agency. The monthly GDP calculation computer 12 stores this computed monthly "real legal fiction count characteristic" in the monthly GDP database 14.

[0120] Next, based on drawing 21 , the example of count of monthly [in this operation gestalt / GDP] and an assessment-of-the-economy characteristic is explained. This example is an example at the time of applying this operation gestalt about a part for October, 1998.

[0121] First, the example of calculation of a need side monthly [GDP] is explained. In the example of drawing 21 , the real private sector ultimate-demand frame of 280,011,800 million yen is computed by performing step S20 in drawing 3 . By performing step S21 in drawing 3 , the real private-housing-investment frame of 17,483,400 million yen is computed. By performing step S22 in drawing 3 , the real private-sector-capital-investment frame of 74,441,700 million yen is computed. By performing step S23 in drawing 3 , the real private sector inventory frame of 1,672,900 million yen is computed. The real private sector ultimate-demand frame of 373,609,800 million yen is computed by totaling these real private sector ultimate-demand frame, a real private-housing-investment frame, a real private-sector-capital-investment frame, and the amount of a real private sector inventory.

[0122] Then, the real government last amount disbursed of 45,297,100 million yen is computed by performing step S24 in drawing 3 . By performing step S25 in drawing 3 , the real Government-fixed-capital-formation frame of 41,347,400 million yen is computed. By performing step S26 in drawing 3 , it is the amount of a real public inventory. -592,300 million yen is computed. The real public ultimate-demand frame of 86,052,200 million yen is computed by totaling these real final-government-spending frame, a real Government-fixed-capital-formation frame, and the amount of a real public inventory.

[0123] Then, the real export frame of 69,234,300 million yen is computed by performing step S27 in drawing 3 . Real imports of 52,094,900 million yen are computed by performing step S28 in drawing 3 . And the real overseas need frame of 17,139,400 million yen is computed by subtracting real imports of 52,094,900 million yen from the real export frame of 69,234,300 million yen.

[0124] And monthly [in October, 1998 / GDP / of 476,801,400 million yen] can be found by totaling these real private sector ultimate-demand frame of 373,609,800 million yen, and the real public ultimate-demand frame of 86,052,200 million yen and the real overseas need frame of 17,139,400 million yen.

[0125] Next, the example of calculation of a supply side monthly [GDP] is explained. In the example of drawing 21 , the real construction industry characteristic 76.6 is computed by performing step S40 in drawing 4 . The real manufacture characteristic 93.1 is computed by performing step S41 in drawing 4 . The real tertiary industry characteristic 111.7 is computed by performing step S42 in drawing 4 . The real government serviceability index 136.0 is computed by performing step S43 in drawing 4 . By performing step S44 in drawing 4 , the real legal fiction count characteristic 102.1 is computed.

[0126] Then, perform step S45 in drawing 4 , and wait 8.25% is multiplied by the real construction industry characteristic 76.6. Multiply wait 22.81% by the real manufacture characteristic 93.1, and wait

53.65% is multiplied by the real tertiary industry characteristic 111.7. After multiplying wait 8.35% by the real government serviceability index 136.0 and multiplying wait 6.94% by the real legal fiction count characteristic 102.1, monthly [of the supply side as a characteristic / GDP / 105.9] is called for by totaling these.

[0127] Next, the example of calculation of second page equivalence monthly [GDP] is explained from monthly [which were these-computed / monthly / of a need side / GDP / and monthly / GDP / of a supply side]. In the example of drawing 21 , -0.5% of elongation percentages to the previous month about monthly [of the need side as a real frame / GDP / of 476,801,400 million yen] is computed by performing step S50 in drawing 5 . By performing step S51 in drawing 5 , -0.7% of elongation percentages to the previous month about monthly [of the supply side as a characteristic / GDP / 105.9] is computed. Then, after it multiplied the wait 0.618 by monthly GDP growth rate -0.5 of a need side and a wait 0.382 is multiplied by monthly GDP growth rate -0.7 of a supply side by performing step S52 in drawing 5 , monthly GDP-0.6 of second page equivalence are computed by both being added.

[0128] Next, the example of calculation of the new assessment-of-the-economy characteristic concerning this operation gestalt is explained. In the example of drawing 21 , the real construction industry characteristic 76.6 is computed by performing step S60 in drawing 6 . The real manufacture characteristic 92.8 is computed by performing step S61 in drawing 6 . The real tertiary industry characteristic 100.1 is computed by performing step S62 in drawing 6 . Here, as drawing 16 thru/or drawing 18 explained by the way, compared with the time of computing monthly [of a supply side / GDP], the values of these characteristics differ, because the statistics technique differs a little.

[0129] Then, after multiplying wait 9.74% by the real construction industry characteristic 76.6, multiplying wait 26.93% by the real manufacture characteristic 92.8 and multiplying wait 63.33% by the real tertiary industry characteristic 100.1 by performing step S63 in drawing 6 , the assessment-of-the-economy characteristic 95.8 is computed by these being added. The elongation percentage of [as compared with the previous month] -0.7% for this assessment-of-the-economy characteristic 95.8 is computed.

[0130] As mentioned above, according to the monthly GDP calculation system concerning this operation gestalt, since monthly GDP is computable, the gross domestic product can be grasped more precisely than quarterly GDP which the Economic Planning Agency announces. And if it computes monthly [GDP] using the monthly data generated by the monthly economic-statistics estimate system 20, in the middle of following **** of the applicable moon, monthly [GDP] is computable as preliminary figures. For this reason, before the Economic Planning Agency announces GDP of a quarter, monthly [GDP] can be estimated and business can be judged appropriately.

[0131] Furthermore, since it decided to also consider GDP of a supply side in addition to GDP of the conventional need side, the incorrectness nature of the GDP statistics produced by computing GDP by monthly is suppliable. That is, only GDP of a need side is taken into consideration in GDP statistics of the quarter base which the Economic Planning Agency announces. In this operation gestalt, the accuracy was collateralized by taking into consideration dispersion as statistics produced by computing GDP by monthly at a rate that GDP of a supply side is also fixed.

[0132] And with this operation gestalt, since it enabled it to also compute the strong new economical decision characteristic of business linkage nature as explained using drawing 6 , the index near national business feelings can be offered. Moreover, as shown in drawing 22 , the past business cycle can also grasp appropriately this new assessment-of-the-economy characteristic. That is, this drawing 22 is a graph which compares and shows GDP statistics of the quarter base of an announcement of the Economic Planning Agency, and the new economical decision index concerning this operation gestalt. In this graph, the axis of ordinate expresses the characteristic and the axis of abscissa expresses double figures and the moon under A.D. Moreover, the shadow area shows the stage when business is contained in the retreat aspect of affairs. According to the new economical decision characteristic concerning this operation gestalt, the turning point when business goes into a retreat aspect of affairs from a rise aspect of affairs, and the turning point when business goes into a rise aspect of affairs from a retreat aspect of affairs can be exactly grasped so that it can read in this drawing 22 . This is because the real government serviceability index and real legal fiction count characteristic of business linkage nature which are said to be low were excepted from the item used in case it computes monthly [of a supply side / GDP]. That is, since it asked for a new assessment-of-the-economy characteristic from a real construction industry characteristic, a real manufacture characteristic, and a real tertiary industry characteristic, business linkage nature was able to be strengthened.

[0133] in addition, this invention is not limited to the above-mentioned operation gestalt, but is deformable to versatility. For example, although the system which can compute the both sides of monthly [GDP] and a new economical decision characteristic was illustrated with this operation gestalt, you may make it a possible system configuration which realizes only either.

[0134] Moreover, in drawing 1 mentioned above, although the separate computer realized the monthly GDP calculation system 10 and the monthly economic-statistics estimate system 20, you may constitute so that one computer may realize.

[0135] Furthermore, about each processing explained with the above-mentioned operation gestalt, it is possible to record the program for performing each [these] processing on record media, such as a floppy disk and CD-ROM (Compact Disc-ReadOnly Memory), and to distribute in the form of a record medium. In this case, the operation gestalt mentioned above is realizable by making the record medium with which this program was recorded read into a computer, and performing it.

[0136] Moreover, a computer may be equipped with other programs, such as operation system and another application program. In this case, other programs with which a computer is equipped are utilized and you may make it record an instruction which calls the program which realizes processing equivalent to this operation gestalt out of the program with which that computer is equipped on a record medium.

[0137] Furthermore, such a program can also be distributed as a subcarrier through not a form but the network of a record medium. The program transmitted in the form of a subcarrier in the network top is incorporated by the computer, and the operation gestalt mentioned above by executing this program on a computer can be realized.

[0138] Moreover, when recording a program on a record medium, or in case a network top is transmitted as a subcarrier, encryption and compression-izing of a program may be made. In this case, after performing a decryption and elongation-izing of that program, it is necessary to perform the computer which read these record media and a subcarrier.

[0139]

[Effect of the Invention] As explained above, according to this invention, monthly [GDP] and the new assessment-of-the-economy characteristic which combine news flash nature and business cycle prehension nature can be offered.

[Translation done.]

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CLAIMS

[Claim(s)]
[Claim 1] Required data are incorporated from a monthly statistics storage means by which various kinds of statistical datas were memorized. Required data are incorporated from a need side calculation means to compute monthly [of a need side / GDP] and to store in a monthly GDP storage means, and said monthly statistics storage means. Compute monthly [of a supply side / GDP] and it incorporates monthly [of said need side / GDP], and monthly [of said supply side / GDP] from a supply side calculation means to store in said monthly GDP storage means, and said monthly GDP storage means. Monthly GDP calculation equipment characterized by having a second page equivalence calculation means to compute monthly [of second page equivalence / GDP] from monthly [of these need side / GDP], and monthly [of a supply side / GDP].
[Claim 2] Said need side calculation means is monthly GDP calculation equipment according to claim 1 characterized by what a home demand is classified into two or more business condition, the real frame of that need is integrated according to the business condition of these plurality, and the real frame of this integrated need is stored in said monthly GDP storage means for as monthly [of said need side / GDP].
[Claim 3] Said supply side calculation means is monthly GDP calculation equipment according to claim 2 characterized by what domestic supply is classified into two or more business condition, and it asks for that amount of supply according to the business condition of these plurality as a characteristic to predetermined criteria, it integrates after multiplying the predetermined wait defined according to said two or more business condition, and this integrated characteristic is stored in said monthly GDP storage means for as monthly [of said supply side / GDP].
[Claim 4] Said second page equivalence calculation means incorporates said real frame in which monthly [of said need side / GDP] is shown from said monthly GDP storage means. While computing the elongation percentage to the predetermined criteria of this real frame, said characteristic which shows monthly [of said supply side / GDP] from said monthly GDP storage means is incorporated. Monthly GDP calculation equipment according to claim 3 characterized by what it computes monthly [of second page equivalence / GDP] for by computing the elongation percentage to the predetermined criteria of this characteristic, and adding these two elongation percentages at a predetermined rate.
[Claim 5] Required data are incorporated from a monthly statistics storage means by which various kinds of statistical datas were memorized. Required data are incorporated from the need side calculation process which computes monthly [of a need side / GDP] and is stored in a monthly GDP storage means, and said monthly statistics storage means. Compute monthly [of a supply side / GDP] and it incorporates monthly [of said need side / GDP], and monthly [of said supply side / GDP] from the supply side calculation process stored in said monthly GDP storage means, and said monthly GDP storage means. The monthly GDP calculation approach characterized by having the second page equivalence calculation process which computes monthly [of second page equivalence / GDP] from monthly [of these need side / GDP], and monthly [of a supply side / GDP].
[Claim 6] Required data are incorporated from a monthly statistics storage means by which various kinds of statistical datas were memorized. Required data are incorporated from the need side calculation

step which computes monthly [of a need side / GDP] and is stored in a monthly GDP storage means, and said monthly statistics storage means. Compute monthly [of a supply side / GDP] and it incorporates monthly [of said need side / GDP], and monthly [of said supply side / GDP] from the supply side calculation step stored in said monthly GDP storage means, and said monthly GDP storage means. The record medium which recorded the program for making a computer perform the monthly GDP calculation technique which computes monthly [of second page equivalence / GDP] from monthly [of these need side / GDP], and monthly [of a supply side / GDP] of having a second page equivalence calculation step and in which computer reading is possible.
[Claim 7] Required data are incorporated from a monthly statistics storage means by which various kinds of statistical datas were memorized. Required data are incorporated from a construction industry calculation means to compute the monthly amount of supply supplied to the construction industry as a characteristic which shows the elongation percentage from predetermined criteria, and to store it in a characteristic storage means, and said monthly statistics storage means. Required data are incorporated from a manufacture calculation means to compute the monthly amount of supply supplied to the manufacture as a characteristic which shows the elongation percentage from predetermined criteria, and to store it in said characteristic storage means, and said monthly statistics storage means. A tertiary industry calculation means to compute the monthly amount of supply supplied to tertiary industry as a characteristic which shows the elongation percentage from predetermined criteria, and to store it in said characteristic storage means, The wait which incorporated said characteristic about said construction industry from said characteristic storage means, and was defined about said construction industry is multiplied. The wait which incorporated said characteristic about said manufacture from said characteristic storage means, and was defined about said manufacture is multiplied. By multiplying the wait which incorporated said characteristic about said tertiary industry from said characteristic storage means, and was defined about said tertiary industry, and integrating the characteristic of these three ************ Assessment-of-the-economy characteristic calculation equipment characterized by having a characteristic addition means to compute an assessment-of-the-economy characteristic.
[Claim 8] Required data are incorporated from a monthly statistics storage means by which various kinds of statistical datas were memorized. Required data are incorporated from the construction industry calculation process of computing the monthly amount of supply supplied to the construction industry as a characteristic which shows the elongation percentage from predetermined criteria, and storing it in a characteristic storage means, and said monthly statistics storage means. Required data are incorporated from the manufacture calculation process of computing the monthly amount of supply supplied to the manufacture as a characteristic which shows the elongation percentage from predetermined criteria, and storing it in said characteristic storage means, and said monthly statistics storage means. The tertiary industry calculation process of computing the monthly amount of supply supplied to tertiary industry as a characteristic which shows the elongation percentage from predetermined criteria, and storing it in said characteristic storage means, The wait which incorporated said characteristic about said construction industry from said characteristic storage means, and was defined about said construction industry is multiplied. The wait which incorporated said characteristic about said manufacture from said characteristic storage means, and was defined about said manufacture is multiplied. By multiplying the wait which incorporated said characteristic about said tertiary industry from said characteristic storage means, and was defined about said tertiary industry, and integrating the characteristic of these three ************ The assessment-of-the-economy characteristic calculation approach characterized by having the characteristic addition process which computes an assessment-of-the-economy characteristic.

[Claim 9] Required data are incorporated from a monthly statistics storage means by which various kinds of statistical datas were memorized. Required data are incorporated from the construction industry calculation step which computes the monthly amount of supply supplied to the construction industry as a characteristic which shows the elongation percentage from predetermined criteria, and stores it in a characteristic storage means, and said monthly statistics storage means. Required data are incorporated from the manufacture calculation step which computes the monthly amount of supply supplied to the manufacture as a characteristic which shows the elongation percentage from predetermined criteria, and stores it in said characteristic storage means, and said monthly statistics storage means. The tertiary industry calculation step which computes the monthly amount of supply supplied to tertiary industry as a characteristic which shows the elongation percentage from predetermined criteria, and stores it in said characteristic storage means, The wait which incorporated said characteristic about said construction industry from said characteristic storage means, and was defined about said construction industry is multiplied. The wait which incorporated said characteristic about said manufacture from said characteristic storage means, and was defined about said manufacture is multiplied. By multiplying the wait which incorporated said characteristic about said tertiary industry from said characteristic storage means, and was defined about said tertiary industry, and integrating the characteristic of these three ************ The record medium which recorded the program for making a computer perform the assessment-of-the-economy characteristic calculation technique of having the characteristic addition step which computes an assessment-of-the-economy characteristic and in which computer reading is possible.

[Translation done.]